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3 TO WHOM IT MAY CONCERN BE IT KNOWN THAT I JOHN S. PAGE, JR.,

5 A Citizen of the United States of America, residing in
7 Silverado, in the County of Orange, State of California
9 has invented a key board and word processing system entitled:
11 SHIFTLESS DOUBLE STROKE KEYBOARD AND WORD PROCESSOR FOR COMPUTERS

13 BACKGROUND OF THE INVENTION

15 Many people who are not experienced at typing are slowed down and annoyed at
17 having to move their finger position to the shift key to get a capital
19 letter. Microsoft thought this annoyance was significant enough to
21 incorporate a feature now included in their WORD processing program that
23 automatically gives a capital letter after a period is typed. However there
25 are a number of situations where a capital letter is desired where there
27 isn't a period typed before the desired capital letter. Also, all of the
29 number keys and the 11 keys that have two symbols on them require the shift
key to be depressed in order to get the upper symbol.

31 The basic typing technique that is universally taught is to have the four
33 fingers of each hand in a starting position with the tips of the fingers in
35 touch with four keys by each hand. If the fingers can stay in relative
37 constant touch with these keys, the typist is less likely to lose his proper
39 position on the keyboard. Having to use both hands to type a capital letter
41 or a symbol that require having to pull one's little finger down and away to
43 reach the shift key causes a slight loss of position with the other keys. It
45 also causes a strain on the wrist if the typist try's to maintain his fingers
47 close the proper position close to the keys. This contributes to Carpal
Tunnel irritation, which has become a serious disability problem.

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5 OBJECT OF THE INVENTION

7 The object of applicant's invention is to make a word processor, keyboard and
9 computer easier to use when typing capital letters and the symbols on keys
11 that require the use of the shift key. Actually, the goal is to provide a
13 word processor and keyboard for a computer that is a SHIFTLESS system. No
15 shift key is needed. Therefore, this system should decrease the incidence of
17 Carpal Tunnel stress, strain and disabilities inflicting too many people.

19 SUMMARY

21 The SHIFTLESS KEYBOARD AND WORD PROCESSOR FOR COMPUTERS is easier to use when
23 typing capital letters and the upper symbols on the keys that require the use
25 of the shift key. Actually, it is a word processor and keyboard that is a
27 SHIFTLESS system. No shift key is needed. It will type a lower case letter if
29 a key is struck once and it will type a capital letter if that key is struck
31 twice. When two lower case letters are desired as in the word better, the "t"
33 key is held down slightly longer to cause a repeat of that letter. The same
35 double stroke technique is used to type the number keys. One stroke types a
37 number and holding the key down slightly longer gives repeats of that number.
39 To get the upper symbols on the number key, the typist strikes the key a
41 second time. The dash and underscore work the same way.

43 DETAILED DESCRIPTION

45 The shiftless system is a computer word processor program and keyboard with
47 typing keys and a wire or wireless means of transmitting electronic signals
49 from said keys on said keyboard to said word processor and said computer
whereby, when the keyboard keys are struck once they send electronic signals

1 in the form of a series of numerical relationships (termed routines) to the
3 word processor which interprets said electronic signals and enters the
information in the signal to cause the word processor and computer to enter
5 or type a lower case letter when a key is struck once and when that key is
7 struck twice, it types that letter as a capital letter. It also will type one
or the other of the two symbols that are on many of the keys, either the
9 lower symbol or the upper symbol, whereby when a key is struck once, one of
the symbols on the key is typed and when that key is struck twice, the other
11 symbol on that key is typed. The speed of the repeat rate can be adjusted on
the keyboard in the control panel to get the speed of repeat that a person
13 wants so that it will repeat just two times easily and not more if you don't
15 hold the key down too long.

17 There are two adjustments that should be made on the keyboard. One is the
REPEAT DELAY and the other is the REPEAT RATE. Adjusting the REPEAT RATE to
19 Slow is perfect. Adjusting the REPEAT DELAY to Fast is perfect.

21 ABSTRACT

23 THE SHIFTLESS DOUBLE STROKE KEYBOARD AND WORD PROCESSOR FOR COMPUTERS will
25 type a lower case letter when a keyboard key it is struck once and it will
type a capital letter if that key is struck twice. When two lower case
27 letters are desired as in the word better, the key is held down slightly
29 longer to cause a repeat of that letter. The same double stroke technique is
31 used to type the number keys. One stroke types a number and holding the key
33 down slightly longer gives repeats of that number. The same double stroke
technique is used to type the symbols on the lower and upper part of the
35 symbol keys; the typist strikes the key once for the lower symbol and strikes
37 that key a second time to get the upper symbol.